Miguel Angel Mialdea Monzo

Senior Android Engineer (Kotlin, Jetpack Compose)

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EU citizen, no work permit needed. Open to fully remote work from Spain or hybrid in Valencia. Available immediately.

SUMMARY

Senior Android Engineer with 5+ years building native Android apps in Kotlin, the last three on the Santander / Openbank banking app at Globant, delivering payment features in a multi-module Clean Architecture codebase. Strong in Jetpack Compose, MVVM and MVI, state management, Coroutines and Flow, Hilt, Room and Retrofit. Led the migration of 3,000+ tests from JUnit 4 to JUnit 5. Experienced integrating mobile apps with backend REST APIs, taking features from idea to release on Google Play, and caring for reliability and performance in production: CI/CD, staged rollouts, crash monitoring, Baseline Profiles. Kotlin Multiplatform in personal projects and daily use of AI tooling, including an LLM-based tool I built on the Claude, GPT and Gemini APIs.

EXPERIENCE

Senior Android Engineer | Globant (client: Santander / Openbank) | Valencia, Spain | Apr 2023 to Sep 2026

- Delivered payment features and country-specific payment configuration for the Openbank Android app, in a multi-module Clean Architecture codebase working inside the shared core consumed by the apps of 6 markets (Spain, UK, Portugal, Poland, Mexico and the US) and following the guidelines the core defines.
- Integrated the app with backend REST APIs using Retrofit and OkHttp: retries, idempotency, error states, asynchronous programming with Coroutines, Flow, StateFlow and SharedFlow, local persistence with Room.
- Built Jetpack Compose UI: custom reusable components, MVVM state management, WCAG accessibility.
- Led the migration of 3,000+ tests from JUnit 4 to JUnit 5 across the multi-module project, module by module with the suite always green; shorter builds and a more reliable CI pipeline.
- Improved app performance with Baseline Profiles and Macrobenchmark: cold start, ANR prevention, R8.
- Built on my own initiative an LLM-based tool (Claude, GPT and Gemini APIs) that compares the core repository with the country repositories and flags breaking changes before merge.
- Built a video player on ExoPlayer that was used as the starting point for an internal Globant library.
- Worked daily in English with distributed teams in several countries: code reviews and Agile ceremonies.

Android Developer | Rudo (now Lãberit) | Valencia, Spain | Jul 2021 to Apr 2023

- Owned the full lifecycle of a factory inventory Android app from idea to release: architecture, UI, REST and SOAP API integration, Google Play releases.
- Developed payment flows and real-time order tracking for a food delivery app, including failure recovery and offline-first patterns.
- Built zero-to-prototype MVPs for banking clients using Clean Architecture, MVVM and mocked data layers.

PROJECTS

- **Point of sale system, in daily production use in a real shop:** offline-first checkout on PostgreSQL with 193 automated tests over pricing, tax rules and cash reconciliation. Built, deployed and operated by me.
- **Jarvis:** self-hosted assistant I operate: Python backend, ingestion pipelines, scheduled jobs, web dashboard.
- **WarrantyVault:** Android app (Kotlin, Jetpack Compose, WorkManager, Room) built end to end, multi-module with 192 automated tests, in closed testing on Google Play.

SKILLS

Mobile: Android, Kotlin, Java, Jetpack Compose, Android SDK, ViewModel, Navigation, WorkManager, Room, DataStore, ExoPlayer, Material Design 3, Kotlin Multiplatform (personal projects), KSP

Architecture: MVVM, MVI, Clean Architecture, multi-module, Hilt, Dagger 2, Koin, state management, unidirectional data flow, Coroutines, Flow, StateFlow, SharedFlow

APIs and backend: REST APIs, Retrofit, OkHttp, WebSockets, OAuth2, SOAP, Python, PostgreSQL

Testing and CI/CD: JUnit 4, JUnit 5, MockK, Espresso, Compose UI Test, GitHub Actions, Gradle KTS, Google Play Console, staged rollouts, Firebase Crashlytics

Performance: Baseline Profiles, Macrobenchmark, cold start optimization, ANR prevention, R8

AI tools: Claude Code, Cursor, GitHub Copilot, Claude API, OpenAI API, Gemini API

EDUCATION

Higher Technician Degree in Multi-Platform Application Development | Progresa FP, Valencia | 2018 to 2021

LANGUAGES

Spanish (native), English (B2, daily use with international teams)